# Call for Papers

**Semantic Data Mining Workshop at ECAI 2023**

Important Dates:
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**Submission Deadline:** 31.07.2023
**Notification of Acceptance:** 14.08.2023
**Camera-Ready Versions Due:** 21.08.2023
**Workshop date:** 30 September - 1 October 2023
**Venue**: Kraków, Poland

https://sedami.geist.re

The second Semantic Data Mining (SEDAMI) workshop will be co-located with ECAI 2023. The workshop is planned to take place in Krakow, Poland, 30 September - 1 October 2023.

Objectives
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The theme of the SEDAMI workshop is semantic data mining. With this workshop we aim to get an insight into the current status of research in this area. We focus mainly on methods that allow include/utilize/exploit semantic information and domain knowledge in machine learning and data mining, focussing on domains and research questions that have not been deeply investigated so far to improve standard machine learning solutions.

Topics of interest
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We encourage receiving papers related to the following topics, which include but are not limited to:
- Introduction of semantics into the data mining process
- Explainable artificial intelligence and domain knowledge
- Declarative domain knowledge
- Declarative data mining
- Declarative explainable artificial intelligence
- Integration of causal machine learning and expert knowledge
- Neuro-symbolic artificial intelligence
- Knowledge modeling and data mining
- Feature engineering for transparency and explanation
- Knowledge-based data mining approaches
- Knowledge-graphs in data mining
- Interpretable models in data mining
- Role of explanations in data mining
- Inductive logic programming and data mining
- Transparent and hybrid models in data mining
- Human in the loop of the data mining process
- Role of Linked Open Data in data mining
- Applications of all of the above

We look forward to seeing you at the SEDAMI Workshop!

Sincerely,
Szymon Bobek, Martin Atzmueller, and Nada Lavrac